



1999 Toxics Release Inventory

CALIFORNIA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	37,360,373	22,992,085	60,352,458
Air Emissions	29,343,914	1,485,026	30,828,940
Surface Water Discharges	5,020,783	3,152	5,023,935
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	34,972	0	34,972
On-site Land Releases to RCRA Subtitle C Landfills	121,835	18,179,362	18,301,197
Other On-site Land Releases	2,838,869	3,324,545	6,163,414
Off-site Releases (Transfers Off-site to Disposal)*	5,386,966	3,306,560	8,693,526
Total On- and Off-site Releases	42,747,339	26,298,645	69,045,984
Recycled On-site	38,316,764	35,335,204	73,651,968
Recycled Off-site	86,115,813	2,627,095	88,742,908
Energy Recovery On-site	30,599,409	59	30,599,468
Energy Recovery Off-site	9,137,864	27,650,612	36,788,476
Treated On-site	238,892,556	14,110,807	253,003,363
Treated Off-site**	26,639,188	24,078,431	50,717,619
Quantity Released On- and Off-site***	49,549,599	23,006,363	72,555,962
Total Production-related Waste Managed	479,251,193	126,808,571	606,059,764
Total Non-production-related Waste Managed	404,950	4,268	409,218

Transfers Off-site for Further Waste Management/Disposal

Recycling	79,922,181	1,888,943	81,811,124
Energy Recovery	8,463,469	27,520,518	35,983,987
Treatment	5,386,893	10,510,114	15,897,007
Publicly Owned Treatment Works (POTWs)	26,710,988	120,024	26,831,012
Metals and Metal Compounds*	87,447	862	88,309
Non-metal TRI Chemicals**	26,623,541	119,162	26,742,703
Other Off-site Transfers***	56,223	0	56,223
Off-site Transfers to Disposal (not including metals to POTWs)	7,549,891	3,527,353	11,077,244
Total Transfers Off-site for Further Waste Management/Disposal	128,089,645	43,566,952	171,656,597

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

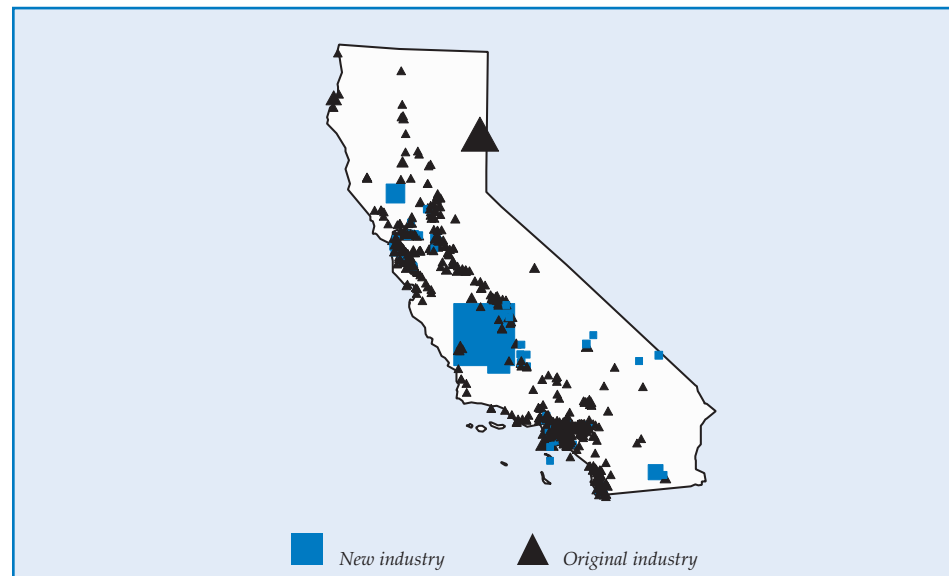
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):
(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of California. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	33,145,121
Square Miles	155,973
Total Facilities	1,406
Total Forms	4,469
Form As	651

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	21	25	27
Pounds	42,747,339	26,298,645	69,045,984
National Rank for Total On-site Releases**			
Rank	20	26	28
Pounds	37,360,373	22,992,085	60,352,458
National Rank for Total Releases within State***			
Rank	21	26	28
Pounds	41,862,897	24,494,532	66,357,429
National Rank for Production-related Waste Managed			
Rank	16	12	19
Pounds	479,251,193	126,808,571	606,059,764

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	7,591,474	256,660	19,500	470,331	11,664	8,349,629	0	5,114	7,550
--	Nitrate compounds	4,904	3,482,277	0	900,168	203,443	4,590,792	596	82,559	120,884
7429-90-5	Aluminum (fume or dust)	4,127,349	260	0	164,810	11,430	4,303,849	0	6,082	5,598
67-56-1	Methanol	2,236,217	1,132,782	4,100	8	18,726	3,391,833	5	18,175	1,323
100-42-5	Styrene	2,157,208	0	0	3	24,250	2,181,461	0	3,207	21,043
7440-50-8	Copper	1,074,019	733	0	17	863,201	1,937,970	257	252,472	624,387
--	Glycol ethers	1,322,225	0	0	0	60,238	1,382,463	0	56,830	3,408
7697-37-2	Nitric acid	75,112	5	0	126,893	1,040,604	1,242,614	847	1,041,601	0
--	Arsenic compounds	32	0	0	639,475	595,436	1,234,943	6,958	742,593	11,250
108-88-3	Toluene	998,536	534	500	1,360	18,051	1,018,981	750	13,797	4,526

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
1344-28-1	Aluminum oxide (fibrous forms)	143	0	0	3,932,266	67,900	4,000,309	0	6	67,894
1332-21-4	Asbestos (friable)	5	0	0	3,242,237	0	3,242,242	0	0	0
7664-41-7	Ammonia	547,294	323	0	2,212,654	317	2,760,588	0	352	55
--	Lead compounds	578	0	0	1,937,640	508	1,938,726	256	750	255
7440-39-3	Barium	2,917	0	0	990,526	266,658	1,260,101	0	26,760	266,623
--	Zinc compounds	1,469	45	0	1,129,573	55,232	1,186,319	289	54,477	755
--	Arsenic compounds	0	0	0	1,065,537	0	1,065,537	15	0	0
--	Copper compounds	2,743	0	0	1,030,959	26,627	1,060,329	101	2,802	25,616
7439-92-1	Lead	832	0	0	691,449	281,368	973,649	0	28,987	281,171
7440-38-2	Arsenic	803	0	0	725,715	215,444	941,962	0	116,599	116,847

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. Army Sierra Army Depot, Herlong, Lassen	5,390,239	0	0	0	0	0	5,390,239	0	0
Chevron USA Prods. Co., El Segundo, Los Angeles	459,545	2,135,195	0	0	0	4,070	2,598,810	104,865	1,740
Mobil Torrance Refy., Torrance, Los Angeles	1,901,194	54	0	0	0	0	1,901,248	106,088	41
Louisiana-Pacific Corp. Samoa Pulp Mill, Samoa, Humboldt	152,155	1,129,530	0	0	0	0	1,281,685	0	0
Chevron Prods. Co. Richmond Refy., Richmond, Contra Costa	675,534	471,627	0	0	0	0	1,147,161	121,000	1,543
Tosco San Francisco Area Refy. at Avon, Martinez, Contra Costa	1,053,955	39,325	0	0	0	5	1,093,285	12,105	2,300
ExxonMobil Refining & Supply Benicia Refy., Benicia, Solano	610,742	451,332	0	0	0	0	1,062,074	5,843	8,171
Tosco Refining Co. Los Angeles Refy. Wilmington Plant, Wilmington, Los Angeles	767,511	0	0	0	0	0	767,511	669	10,697
Carpenter Co., Lathrop, San Joaquin	706,555	0	0	0	0	0	706,555	0	0
American Xtal Tech. Inc., Fremont, Alameda	42,420	0	0	0	120,475	519,000	681,895	640,525	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Chemical Waste Management Inc., Kettleman City, Kings	10,456	0	0	0	12,735,351	0	12,745,807	1,010	5,045
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	1,051	0	0	0	3,541,742	93,562	3,636,355	0	0
Mclaughlin Mine, Lower Lake, Lake	23,940	0	0	0	0	2,771,692	2,795,632	0	0
Safety-Kleen (Westmorland) Inc., Westmorland, Imperial	192	0	0	0	1,901,808	0	1,902,000	24	0
Posdef Power Co. L.P, Stockton, San Joaquin	480,161	44	0	0	0	148,786	628,991	17	0
Molycorp, Inc., Mountain Pass, San Bernardino	323	0	0	0	0	222,983	223,306	0	0
Ace Cogeneration Facility, Trona, San Bernardino	110,200	0	0	0	0	86,000	196,200	0	0
Stockton Cogen Co., Stockton, San Joaquin	59,718	6	0	0	0	0	59,724	64,100	0
Equilon Carson Terminal, Carson, Los Angeles	45,120	0	0	0	0	780	45,900	20	0
Romic Environmental Techs. Corp., East Palo Alto, San Mateo	42,246	0	0	0	0	0	42,246	14,946	204,247

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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CALIFORNIA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
U.S. Army Sierra Army Depot, Herlong, Lassen	0	0	0	0	0	0	5,390,239	5,390,239	7
Chevron USA Prods. Co., El Segundo, Los Angeles	0	3,585	0	0	2,268,000	22,387	2,699,220	4,993,192	5,291
Mobil Torrance Refy., Torrance, Los Angeles	1,241,274	189,000	0	0	3,001,735	438,500	2,007,598	6,878,107	0
U.S. Filter Recovery Services (CA) Inc., Vernon, Los Angeles	0	983,035	0	0	1,358,193	2,978	1,430,541	3,774,747	64
Chevron Prods. Co. Richmond Refy., Richmond, Contra Costa	0	13,174	0	0	642,240	0	1,272,662	1,928,076	100
Hilmar Cheese Co. Inc., Hilmar, Merced	0	0	0	0	242,000	0	1,258,350	1,500,350	0
Quemetco Inc., City of Industry, Los Angeles	0	0	0	0	0	0	1,217,000	1,217,000	11,121
Louisiana-Pacific Corp. Samoa Pulp Mill, Samoa, Humboldt	0	0	2,500,000	0	0	0	1,212,730	3,712,730	0
Tosco San Francisco Area Refy. at Avon, Martinez, Contra Costa	79,150	12,140	0	0	47,937,810	5,401	1,094,795	49,129,296	300,275
ExxonMobil Refining & Supply Benicia Refy., Benicia, Solano	1,100	198,284	20,700,000	0	275,000	13,945	1,057,384	22,245,713	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Chemical Waste Management Inc., Kettleman City, Kings	0	12	0	3,304	0	16,632	12,744,921	12,764,869	0
Safety-Kleen (Buttonwillow) Inc., Buttonwillow, Kern	0	0	0	0	0	0	3,634,353	3,634,353	1
Mclaughlin Mine, Lower Lake, Lake	0	0	0	0	660,213	0	2,795,633	3,455,846	9
Safety-Kleen (Westmorland) Inc., Westmorland, Imperial	0	0	0	0	0	0	1,902,026	1,902,026	0
Posdef Power Co. L.P., Stockton, San Joaquin	0	0	0	0	0	0	630,120	630,120	0
Molycorp, Inc., Mountain Pass, San Bernardino	0	0	0	0	0	0	223,306	223,306	0
Stockton Cogen Co., Stockton, San Joaquin	0	0	0	0	0	0	123,824	123,824	0
CR Briggs Corp., Ballarat, Inyo	0	46,700	0	0	0	0	67,020	113,720	3
Romic Environmental Techs. Corp., East Palo Alto, San Mateo	13,391,327	1,946	0	3,788,635	9,857,629	4,343,140	66,643	31,449,320	0
DK Environmental Inc., Vernon, Los Angeles	0	135,000	0	0	1,460,000	391,000	63,368	2,049,368	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.